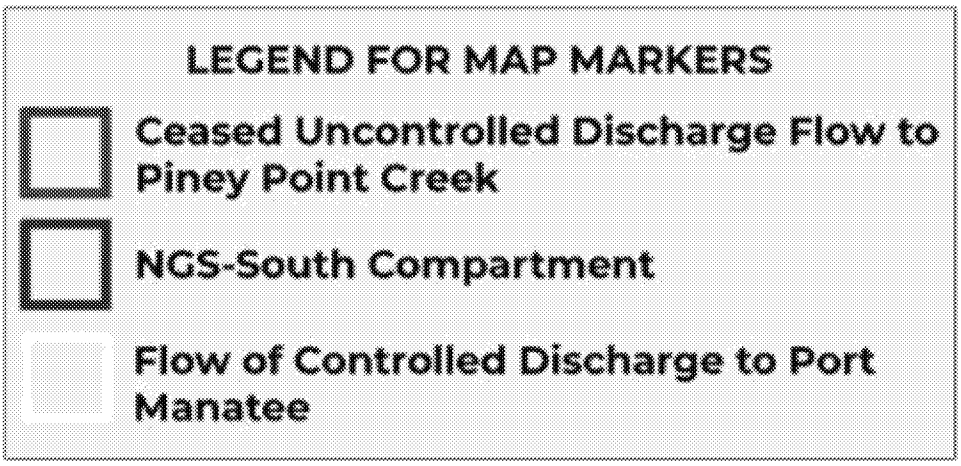
Message

From: Parker, William [parker.william@epa.gov]
Sent: 4/13/2021 7:03:14 PM
To: Decker, Chris [Decker.Chris@epa.gov]; Hansel, Joel [Hansel.Joel@epa.gov]
CC: Polinsky, Robyn [Polinsky.Robyn@epa.gov]; R4 ENVL PineyPoint [R4_ENVL_PineyPoint@epa.gov]
Subject: FW: baseline comparison from 2019 to april 5th
Attachments: Piney_Point_Baseline_2019_20210405.xlsx

Chris, here is a screen shot that might help you orientate the locations of these points in relation to the NGS-S pond, where the seep came from. The two green points are the duplicate sample locations we asked for. These are the points LSASD has analyzed. I think we need to focus the baseline assessment for NGS-S only, at least at this time. I have tried to transition it all on to one spreadsheet. The orange parameters were the only ones I notice that matches between the 2109 data (taken from NGS-S) and the April 5th data collection from FLDEP.



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From: Decker, Chris <Decker.Chris@epa.gov>
Sent: Tuesday, April 13, 2021 2:30 PM
To: Houda, Tara <Houda.Tara@epa.gov>; Hansel, Joel <Hansel.Joel@epa.gov>
Cc: Parker, William <parker.william@epa.gov>; Smith, Brian <Smith.Brian@epa.gov>; Polinsky, Robyn <Polinsky.Robyn@epa.gov>; Patel, Subash <Patel.Subash@epa.gov>
Subject: RE: baseline comparison from 2019 to april 5th

So a plea for help going forward… if we are going to be looking at data from future sampling events, PDF versions of data reports are inadequate. I need access to CSV or Excel versions.

Each organization has a subtly different set of parameters and lists them in different orders. So I need to be able to move data around without fear of mismatch and propagating typos.

From: Houda, Tara <Houda.Tara@epa.gov>
Sent: Tuesday, April 13, 2021 2:11 PM
To: Decker, Chris <Decker.Chris@epa.gov>; Hansel, Joel <Hansel.Joel@epa.gov>
Cc: Parker, William <parker.william@epa.gov>; Smith, Brian <Smith.Brian@epa.gov>; Polinsky, Robyn <Polinsky.Robyn@epa.gov>; Patel, Subash <Patel.Subash@epa.gov>
Subject: RE: baseline comparison from 2019 to april 5th

Please see my additions below in blue.

1. Why are we looking at data from 2019 in the Piney_Point_Sample_2019_**NGS-S**_ForWaste excel file?
    a. Are we being asked to say whether the reservoir water quality has changed since 2019?

    R: They want to compare the 2019 data as a baseline but also for "apples to apples" comparison of the data – I realize this this sounds very vague

    T: The thought here is that if the 2021 effluent data is similar to the 2019 effluent data then we may be able to expect a bay response similar to what occurred in 2019. So, if you can say a parameter is really different, that would be something to flag.
2. I don't understand what kind of "risk analysis" answer we are supposed to provide here.

a. High numbers in effluent are not surprising, because we know the reservoir water is of poor quality.
b. I feel like the real interesting data will be from within the bay and how that changes over time.

R: They are looking for an ecological risk assessment from the WD and SF will provide an Eco Tox Assessment, but I agree with your points here

T: My expectation is that the Eco Tox Risk Assessor will be most valuable when we get the Rad data back. Look at the results and see if anything looks crazy high. I did let the REOC know that y'all would likely be able to infer more from monitoring data than you would be able to from effluent data. As PSC, perhaps Subash can clarify any additional direction for the EUL on this. I would say use of the TBEP's model with this is also fair game. When you get enough data to start evaluating whether we agree with FDEP's statements, then that is something we will want to know. Everyone is always going to be interested to know if algal blooms, HABs, or fish kills are likely, which I realize is not a conclusion that can be easily drawn from 2 effluent data points.

3. Samples Sites? Is there overlap between the two documents? There appears to be 4 sites in the 2019 document, while the LSASD document covers only two sample sites.
   a. Where are sample sites NGS-N, **NGS-S**, LPWS, Structure #1?

      R: Good questions! Tara, Drew, or Subash do any of you know where we can find this info?

      T: New gypsum stack north (NGS-N) lined reservoir of process water. There are 3 remaining lined compartments that only contained rainwater run-off prior to commencement of dredge operations in an agreement/permit with Port Manatee. These three remaining ponds are designated as the: new gypsum stack south (NGS-S), old gypsum stack north (OGS-N), and old gypsum stack south (OGS-S) compartments. The OGS-S, OGS-N, & NGS-S compartments were subsequently used as an alternate disposal area for the management of dredge materials and for clarification of dredge decant water. The idea here being that the 3 remaining ponds will be more representative of the 2021 event. NGS-S should be most representative since it is what was leaking in 2021. I don't see a point in looking at the NGS-N data. Hopefully Subash can contribute on what Structure #1 is.

Ambient monitoring splits should start on 4/14, so hopefully we should have EPA data from that by Monday.

deliberative

From: Polinsky, Robyn <Polinsky.Robyn@epa.gov>
Sent: Tuesday, April 13, 2021 1:34 PM
To: Decker, Chris <Decker.Chris@epa.gov>; Hansel, Joel <Hansel.Joel@epa.gov>
Cc: Parker, William <parker.william@epa.gov>; Houda, Tara <Houda.Tara@epa.gov>; Patel, Subash <Patel.Subash@epa.gov>
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I'll answer as best I can, but hopefully Tara, Drew, or Subash can elaborate (I still feel a bit lost in this whole thing).

1. They want to compare the 2019 data as a baseline but also for "apples to apples" comparison of the data – I realize this this sounds very vague
2. They are looking for an ecological risk assessment from the WD and SF will provide an Eco Tox Assessment, but I agree with your points here
3. Good questions! Tara, Drew, or Subash do any of you know where we can find this info?

I apologize for not having the answers, just getting my feet wet here!

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From: Decker, Chris <Decker.Chris@epa.gov>
Sent: Tuesday, April 13, 2021 1:10 PM
To: Polinsky, Robyn <Polinsky.Robyn@epa.gov>; Hansel, Joel <Hansel.Joel@epa.gov>
Cc: Parker, William <parker.william@epa.gov>
Subject: RE: baseline comparison from 2019 to april 5th

Joel, Robyn, Drew,

I have questions and issues:

1. Why are we looking at data from 2019 in the Piney_Point_Sample_2019_NGS-S_ForWaste excel file?
    - Are we being asked to say whether the reservoir water quality has changed since 2019?
2. I don't understand what kind of "risk analysis" answer we are supposed to provide here.
    - High numbers in effluent are not surprising, because we know the reservoir water is of poor quality.
    - I feel like the real interesting data will be from within the bay and how that changes over time.
3. Samples Sites? Is there overlap between the two documents? There appears to be 4 sites in the 2019 document, while the LSASD document covers only two sample sites.
    - Where are sample sites NGS-N, NGS-S, LPWS, Structure #1?

From: Polinsky, Robyn <Polinsky.Robyn@epa.gov>
Sent: Tuesday, April 13, 2021 12:38 PM
To: Decker, Chris <Decker.Chris@epa.gov>; Hansel, Joel <Hansel.Joel@epa.gov>
Cc: Parker, William <parker.william@epa.gov>
Subject: FW: baseline comparison from 2019 to april 5th

Hi Chris and Joel,

You may have already seen this, but just in case you haven't, here is one set of samples for comparison. If possible, we would like to receive your expert analysis risk assessment by COB tomorrow. We heard from FL that they actually did not take split or duplicative samples on April 8th, apparently they sent all of the samples to EPA.

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Here is the 2019 baseline data collected from the hold cell to compare with the April 5th data received, also attached.

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